ECODHOME

MY VIRTUOSO HOME

ANDROID APP ON Google play

Z-WAVE

User Manual

Introduction

SmartDHOME thanks you for purchasing the Ecodhome **myVirtuoso Home** wireless automation system.
The **myVirtuoso Home** gateway is managed using an Android APP loaded onto a tablet or smartphone. This enables control of any paired device using the Z- Wave wireless protocol. This attractively designed gateway is easy to install and use, enabling you to remotely manage an integrated and comprehensive energy consumption within your home. By implementing strict rules and using the various devices connected to the gateway, significant energy cost savings can be achieved, along with improved comfort levels for heating and lighting. The screen displays information relating to consumption in kW and all settings are available using the touch screen.
Just monitoring energy consumption results in a more controlled use, leading to considerable savings.

The system is wireless and allows the various paired devices to repeat the signal of devices within their range, overcoming obstacles and extending the signal range.
For complete flexibility, the **myVirtuoso Home** gateway can be wall or surface mounted.

Thanks to **myVirtuoso Home**, all domestic devices powered through paired sockets and switches can be easily managed.
The benefits of using the **myVirtuso Home** gateway include:

- Energy savings;
- Cost savings;
- Improved comfort levels;
- Easy installation, with no wiring required;
- Remote access using a smartphone or tablet;
- Easy to use.

General Safety Rules

Before using this equipment, precautions need to be taken to reduce any risk of fire and / or injury to persons:

1. Read all the instructions carefully and follow all the precautions contained in this manual. All direct connections to the electrical network must be carried out by trained and authorised personnel.
2. Pay attention to all the potential hazards marked with the symbol ⚠, whether on the device or in this manual.
3. Disconnect the device from the charger before cleaning. Do not use detergent, use a damp cloth.
4. Do not use the device in a gas-filled room.
5. Do not place the device near heat sources.
6. Use only original accessories supplied by SmartDHOME.
7. Do not place the connecting cables and / or power lead under heavy objects. Avoid routes near sharp or abrasive objects and avoid walkways.
8. Keep out of reach of children.
9. Do not perform any maintenance on the device. Contact the service network for repairs.
10. Contact the support network if one or more of the following conditions on the product and / or an accessory (supplied or optional) occur:
    a. The product has come into contact with any liquid.
    b. The product has visible damage to the container.
    c. The product does not perform according to specification.
    d. The product has undergone a noticeable degradation of performance or the power cord is damaged.

⚠ Improper handling may damage the product and result in extra work to regain the desired operation, so avoid any repairs or adjustments not described in manual.

Electrical and Electronic Equipment waste. (Applicable in the European Union and other European countries with separate collection systems):

This symbol on the product or on its packaging indicates that this product shall not be treated as a common household waste. All products marked with this symbol must must be must be disposed of through appropriate collection collection sites. Improper disposal may have negative consequences for the environment and for human health. The recycling of materials will help to conserve natural resources. For more information, please contact your local council, household waste disposal service or supplier

Exemption from liability

We cannot guarantee that the information regarding the specifications, contained in this document, is accurate. The product and its accessories described in this document are subject to constant improvement and further development. For this reason, we reserve the right to change parts, accessories, technical specifications and related documentation of the product described in this document without prior notice.

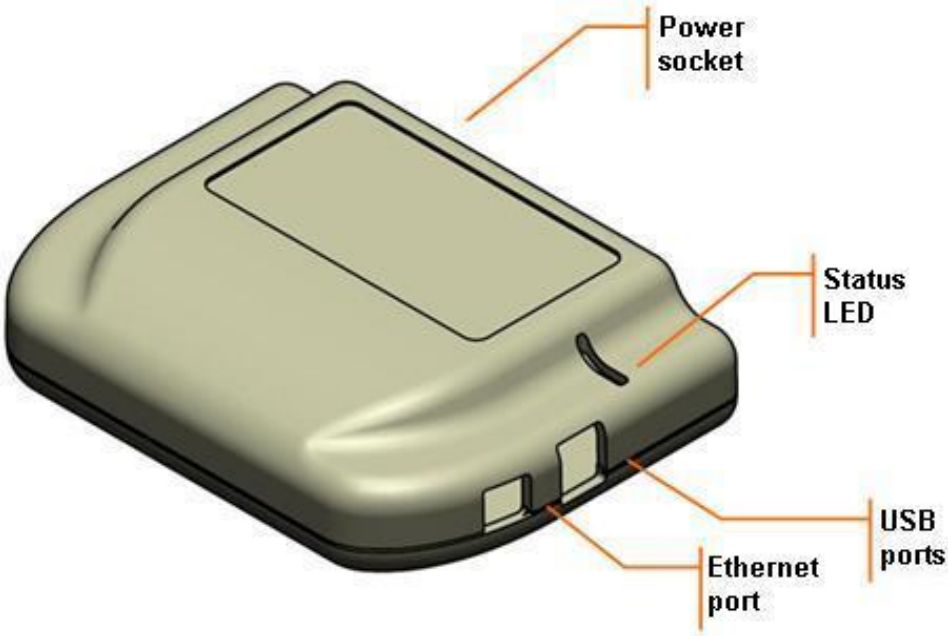
Intended use

This device has been designed for monitoring electricity consumption and control of devices connected to equipment installed in a workmanlike manner, within the housing, commercial and industrial sectors. Any other use is considered unintended use. Unauthorised modification or reconstruction, not described in this manual, are not allowed.

Battery Safety Precautions

- Do not burn, disassemble, or drill. Like other batteries of this type, tampering can cause release of toxic materials that can cause injury.
- To reduce the risk of fire or personal injury, replace the battery inside the tablet; please consult your local authorised service center.
- Keep out of reach of children.
- Remove the batteries from unused devices wherever possible.

Identifying Parts of the Gateway



Connect the tablet to the myVirtuoso Home Gateway

1. Activation of the gateway:

a. Connect the supplied power adapter to the gateway power and then to the wall socket, the LED remains solid red and the green LED flashes.

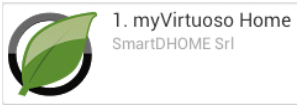
b. Connect one end of the network cable supplied to the Ethernet port of the gateway and the other end to the LAN port of your router. The yellow LED lights constantly, one green LED blinks and another green LED remains fixed.

2. Download and install the myVirtuoso Home APP through the Play Store:

a. Select Play Store on your tablet / smartphone.

b. Click on the icon and type "myVirtuoso Home" in the search bar,

and then press .

c. Select the myVirtuoso Home APP 

d. Click on "Install" and then "Accept".

e. Wait for the download and installation of APP.

3. Finding the myVirtuoso Home gateway:

a. Enter the APP menu on your tablet.

b. Click on the myVH

icon to access the application.

c. Once you have entered the application, click on the tablet or smartphone menu button.

d. Click on "Settings".

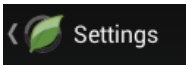
e. Click on the "Gateway Serial Number" and then enter the serial number.

f. Click on the "Gateway security key" and then enter the security key.

N.B. The activation keys mentioned above are shown on the card found in the box.

g. Click on "Find Gateway" and then wait.

h. At this point, a window appears "Connect Information", which indicates the status, type and mode of the connection.

i. Press "OK" and then press to 

to return to the main menu .

N.B. *It is important that the first connection between the tablet and the gateway is performedunder the same network.*

Wi-Fi network connection between the tablet and gateway.

3G network connection between the tablet and gateway.

No connection between the tablet and gateway.

Inclusion,exclusion and verifying the functionality of the Z- Wave devices

1. How to include a device:

a. Go to the main menu of the application by clicking and then press.

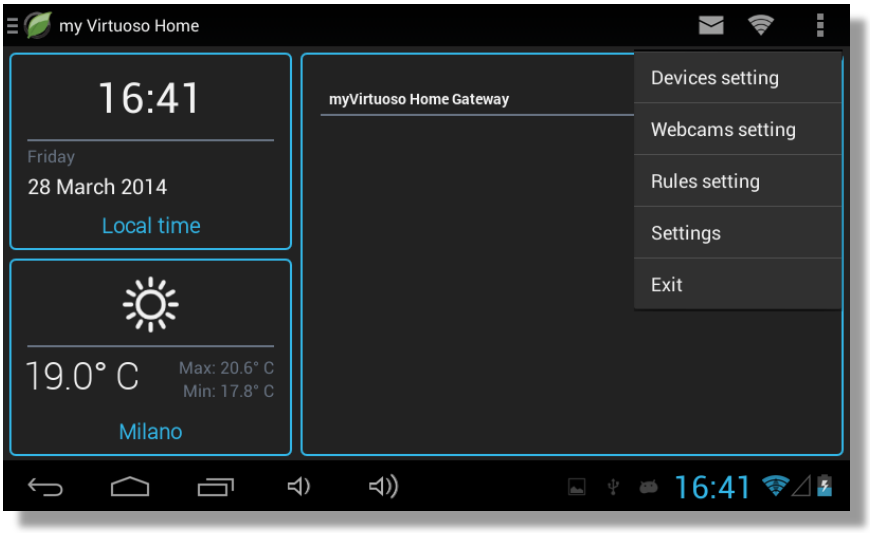


Fig.1

b. Click on the menu and access the “Devices Setting ”.

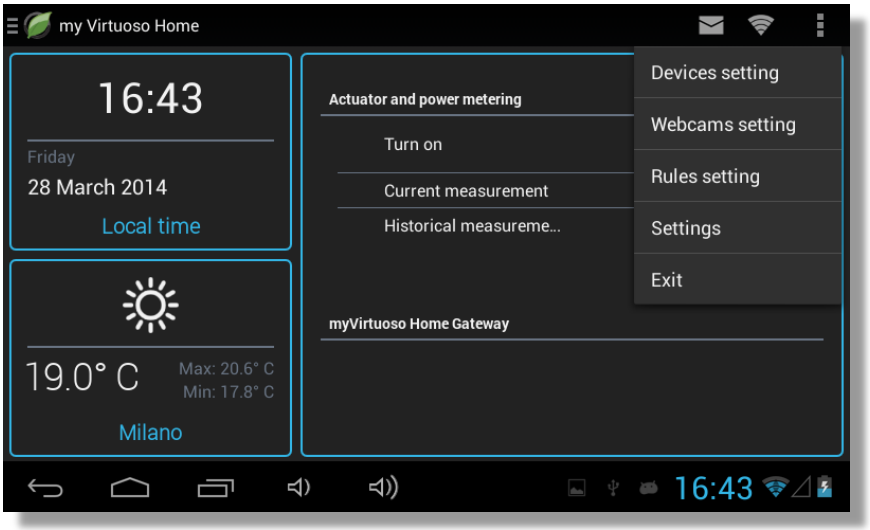


Fig.2

c. Click on the menu button and then add “Add device”.

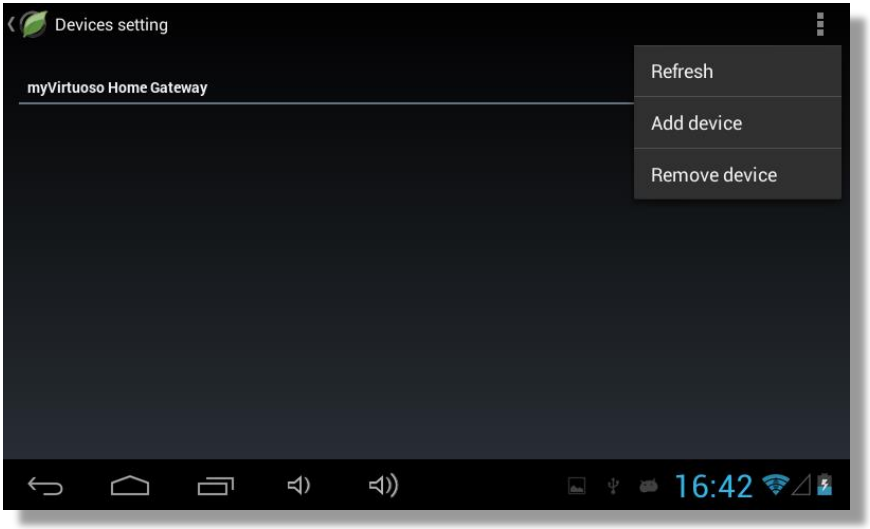


Fig.3

d. Carry out the procedure for inclusion when the screen displays “Press the inclusion button of the device.....” .

N.B. *Each device has its own procedure for inclusion. Refer to the specific device manual for specific instructions.*

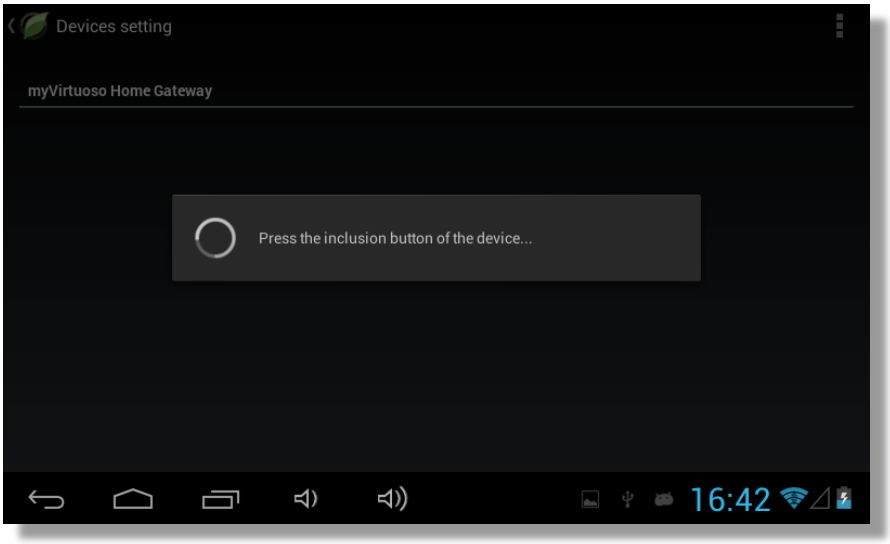


Fig.4

Connect the equipment to a 240V outlet, the orange LED on the button flashes, press the button 3 times within 1.5 seconds for inclusion.

e. At this point, click on the menu button and then "Refresh".

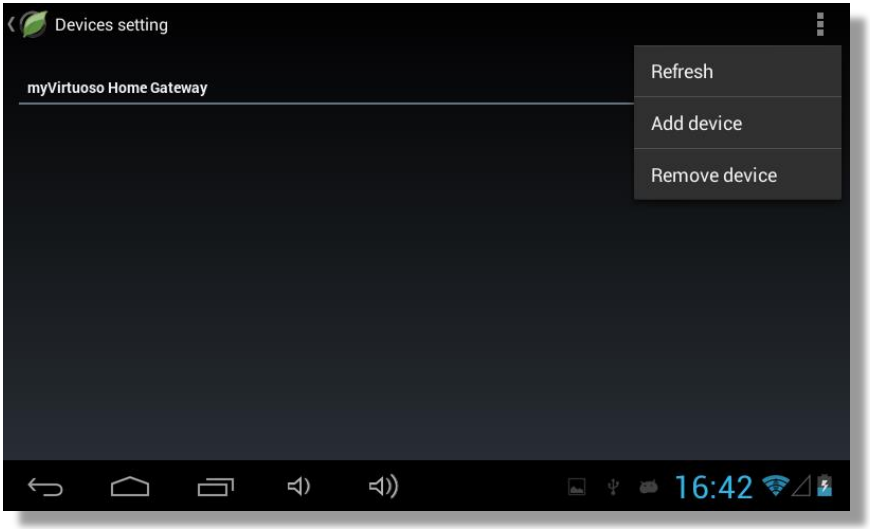


Fig.5

f. Once the device has been included in the system, the name of the device type will appear on the screen.

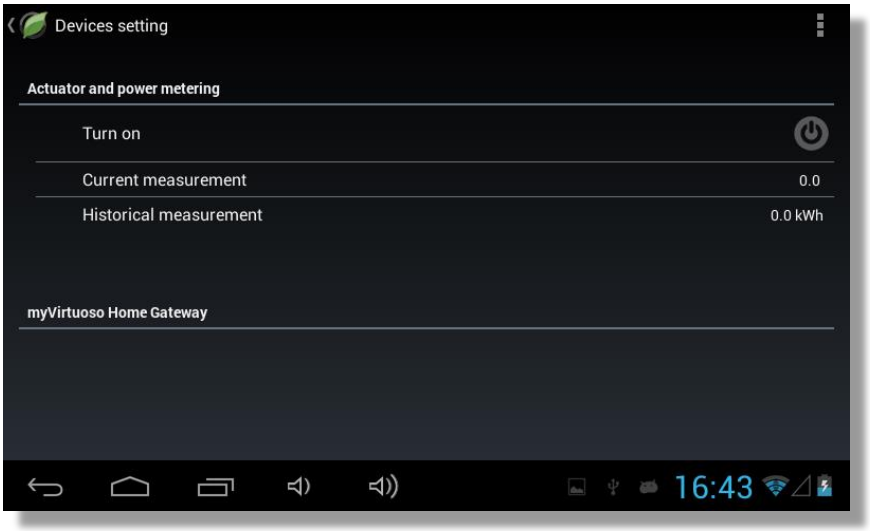


Fig.6

g. Test the functionality of the device by pressing the button ON/OFF .

When the device is turned on the ON/OFF button lights Up

h. To change the device name when in “Device Settings”, press and hold your finger on the name of the device; it opens the menu “Change Description”, click on the menu and enter the new name.

N.B. *If the device has not been included in the system, try to click on “refresh” or try again the inclusion procedure.*

Proceed with the inclusion of other devices using the same procedure.

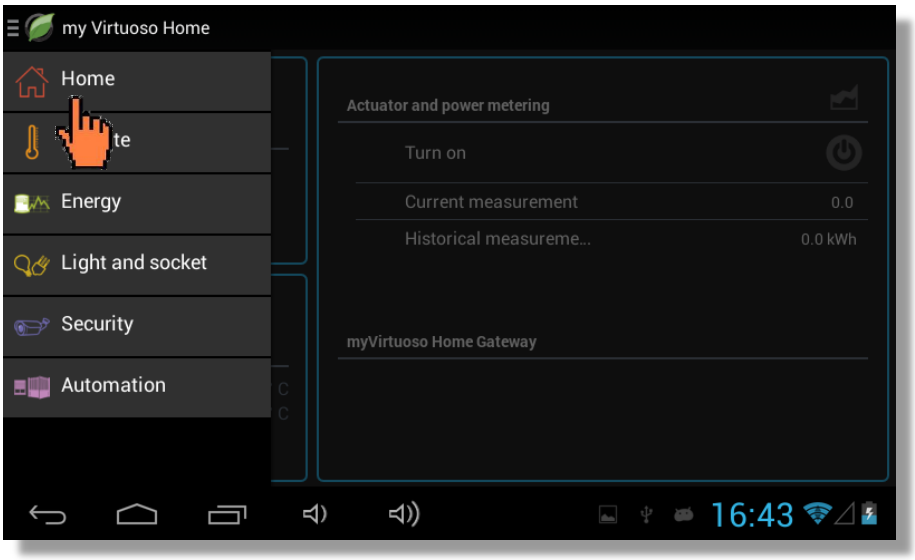


Fig.7

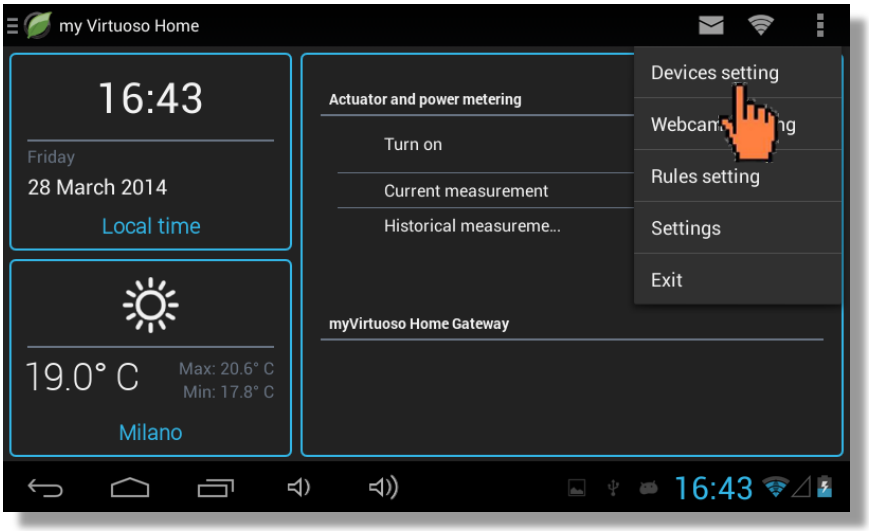

my Virtuoso Home
16:43
Friday
28 March 2014
Local time
19.0° C
Max: 20.6° C
Min: 17.8° C
Milano
Actuator and power metering
Turn on
Current measurement
Historical measureme...
myVirtuoso Home Gateway
Devices setting
Webcam
Rules setting
Settings
Exit
16:43

Fig.8

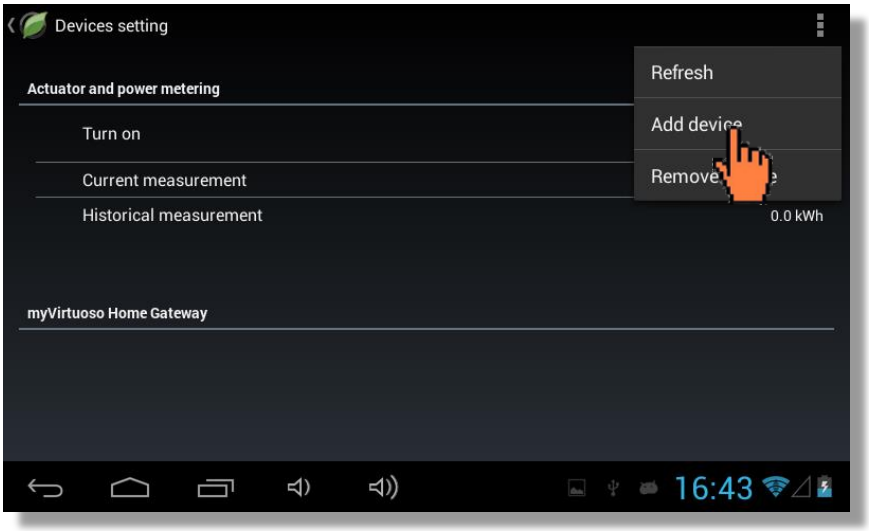

Devices setting
Actuator and power metering
Turn on
Current measurement
Historical measurement
0.0 kWh
myVirtuoso Home Gateway
Refresh
Add device
Remove
16:43

Fig.9

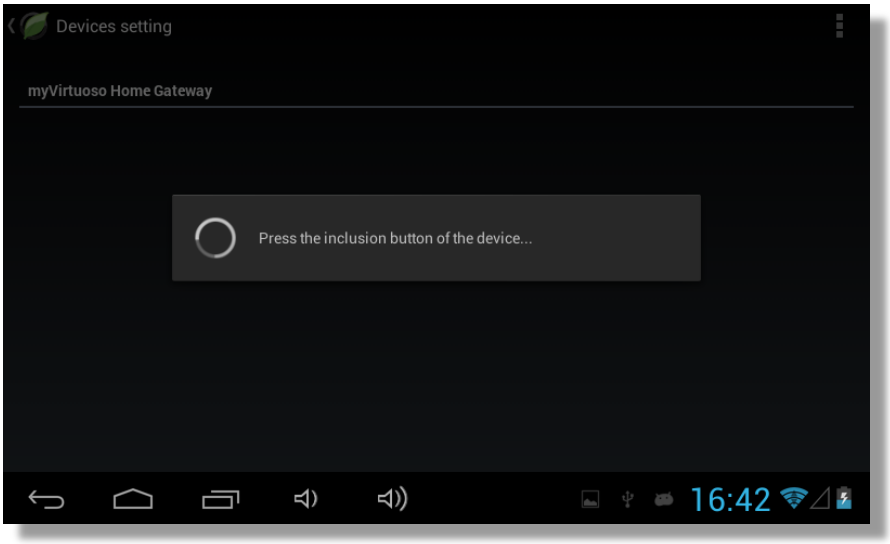


Fig.10

Insert the batteries in the device and for the inclusion hold the button for 10 seconds.

N.B. *Each device has its own procedure for inclusion.Refer to the device manual for specific instructions.*

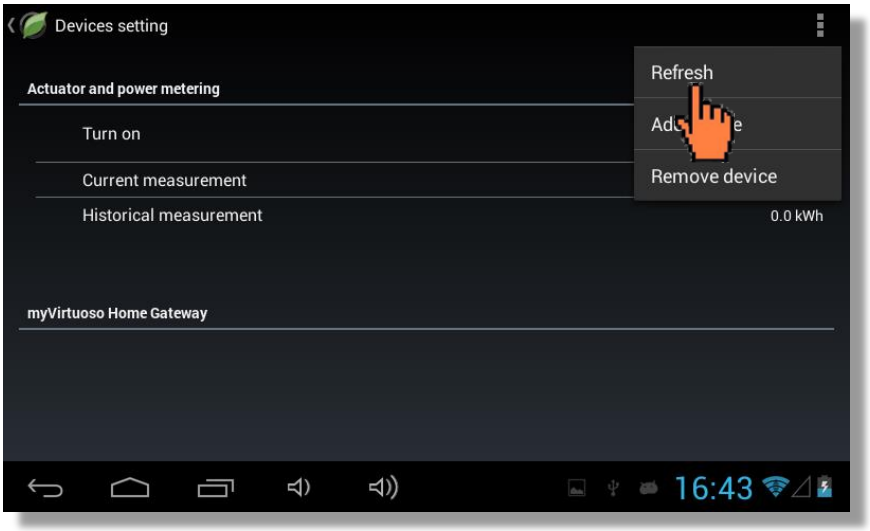

Devices setting
Actuator and power metering
Turn on
Current measurement
Historical measurement
0.0 kWh
Refresh
Remove device
myVirtuoso Home Gateway
16:43

Fig.11

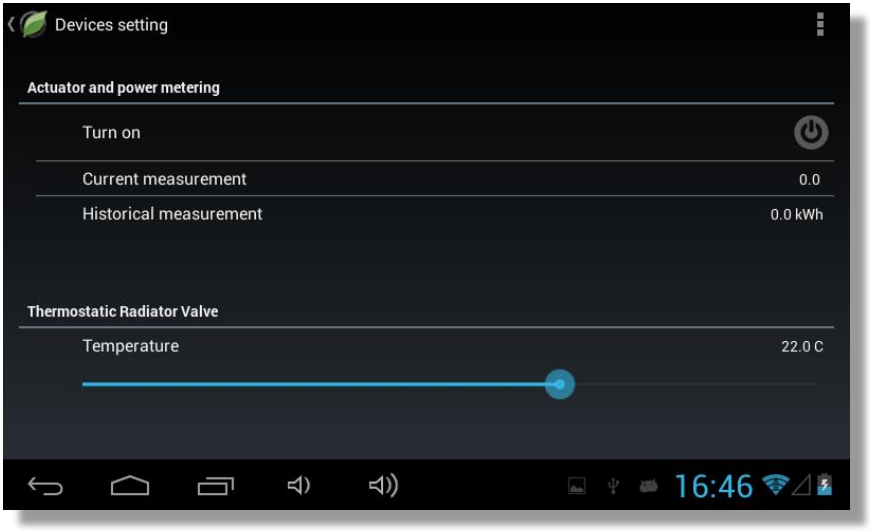

Devices setting
Actuator and power metering
Turn on
Current measurement
0.0
Historical measurement
0.0 kWh
Thermostatic Radiator Valve
Temperature
22.0 C
16:46

Fig.12

2. How to exclude a device:

a. Go to the main menu of the application by clicking and then press

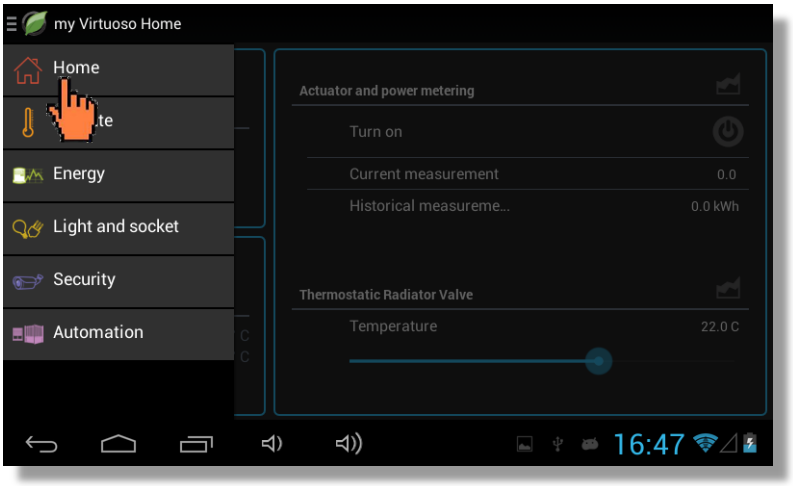


Fig.13

b. Click on the menu button and go to the menu "Devices Setting".

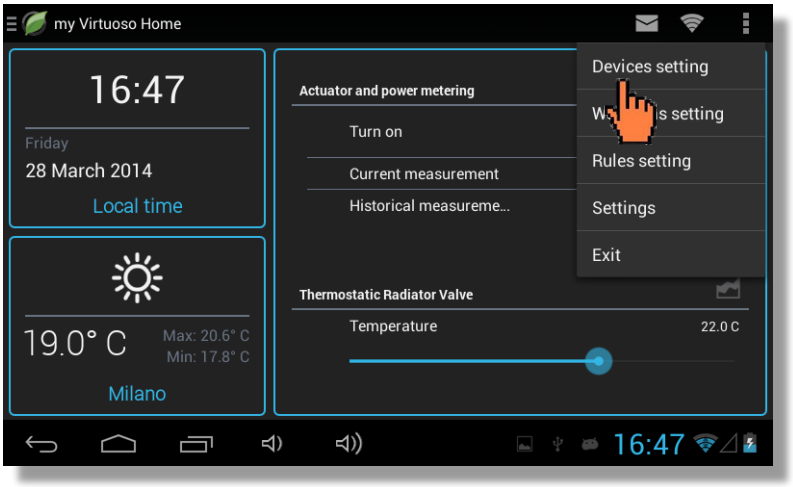


Fig.14

c. Click on the menu button and then “Remove Device”.

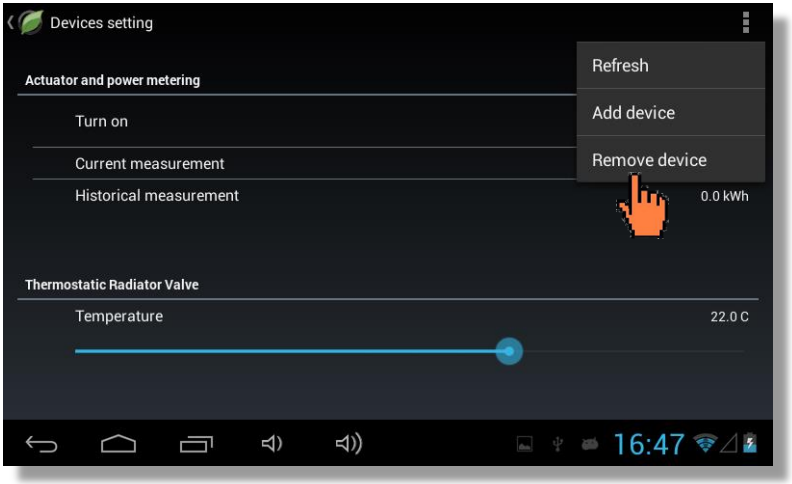


Fig.15

d. During the exclusion procedure the screen displays “Press the exclusion button of the device...”

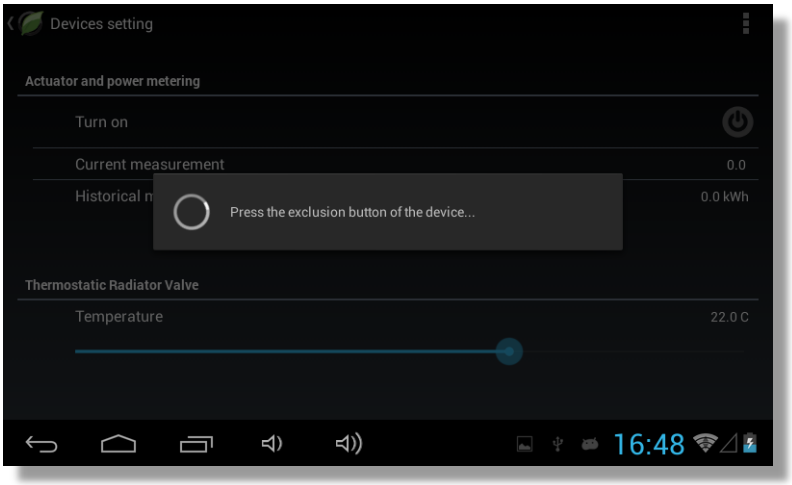


Fig.16

N.B. *Each device has its own procedure for exclusion. Refer to the device manual for specific instructiosn about the inclusion.*

Press the button 3 times within 1.5 seconds to exclude the device. The LED flashes (when the device is turned on) if the exclusion is successful.

e. At this point, click the menu button and then "Refresh".

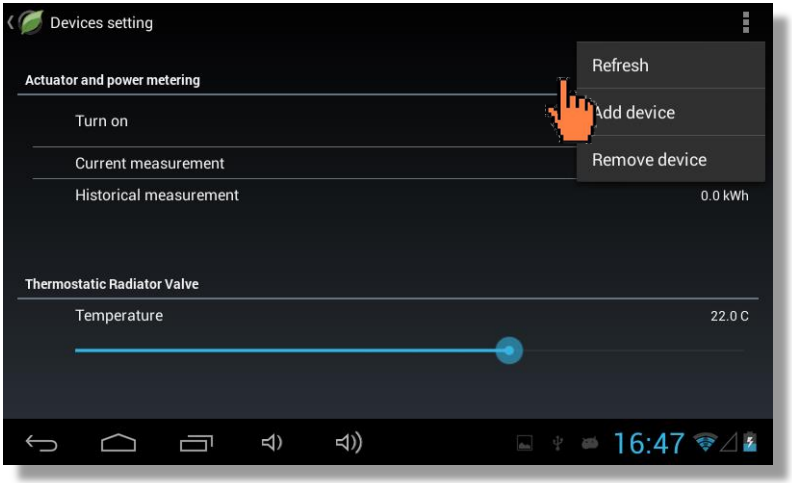


Fig.17

f. The device should then be excluded on this screen.

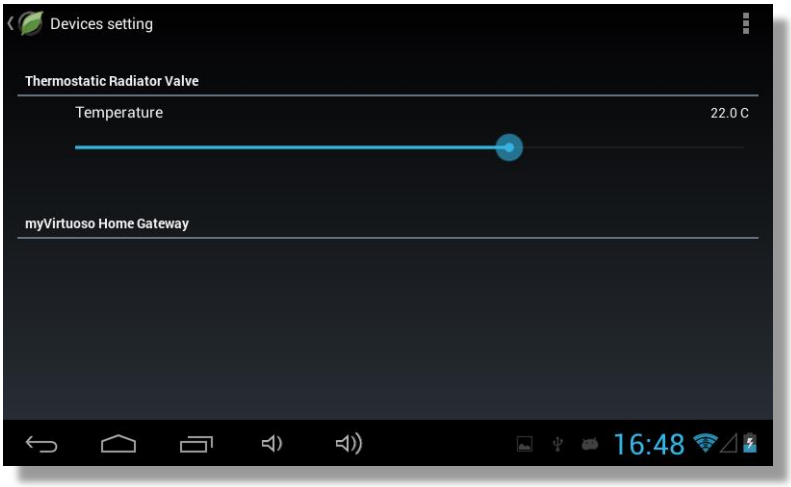


Fig.18

N.B. *If the device is still present on the screen, repeat the process of exclusion.*

Proceed to the exclusion of other devices using the same procedure.

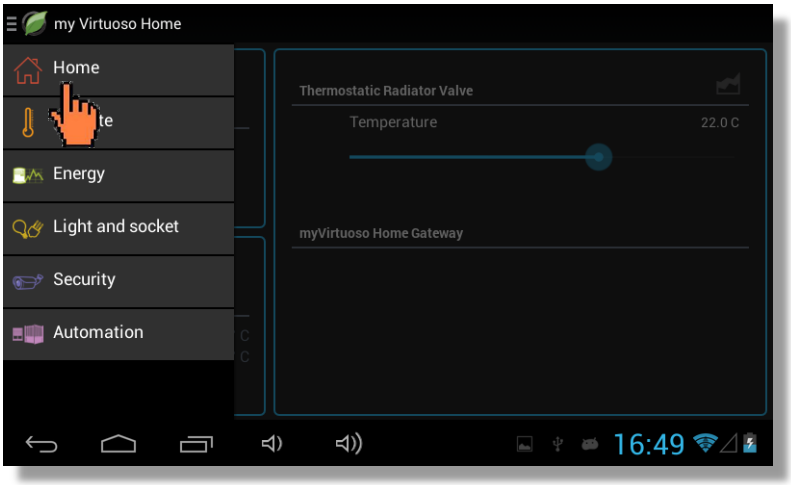


Fig.19

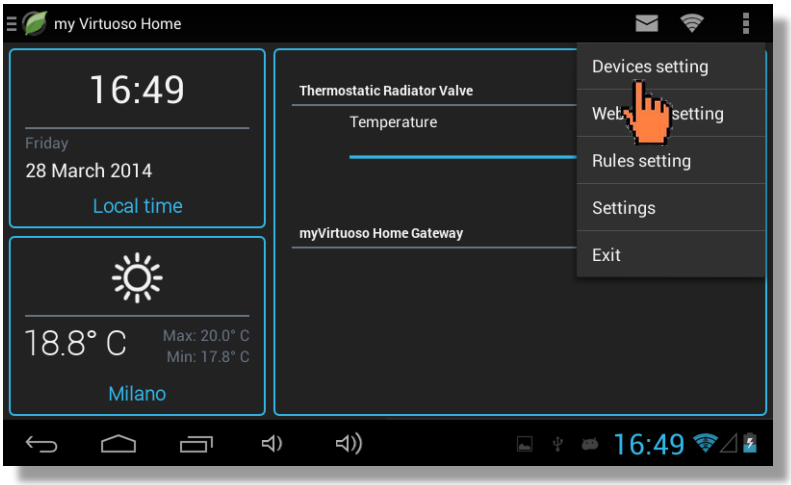

my Virtuoso Home
16:49
Friday
28 March 2014
Local time
18.8° C
Max: 20.0° C
Min: 17.8° C
Milano
Thermostatic Radiator Valve
Temperature
myVirtuoso Home Gateway
Devices setting
setting
Rules setting
Settings
Exit
16:49

Fig.20

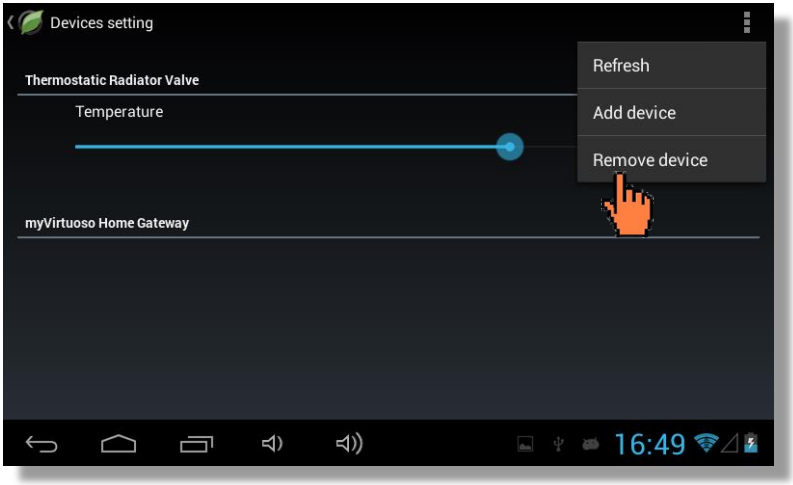

Devices setting
Thermostatic Radiator Valve
Temperature
myVirtuoso Home Gateway
Refresh
Add device
Remove device
16:49

Fig.21

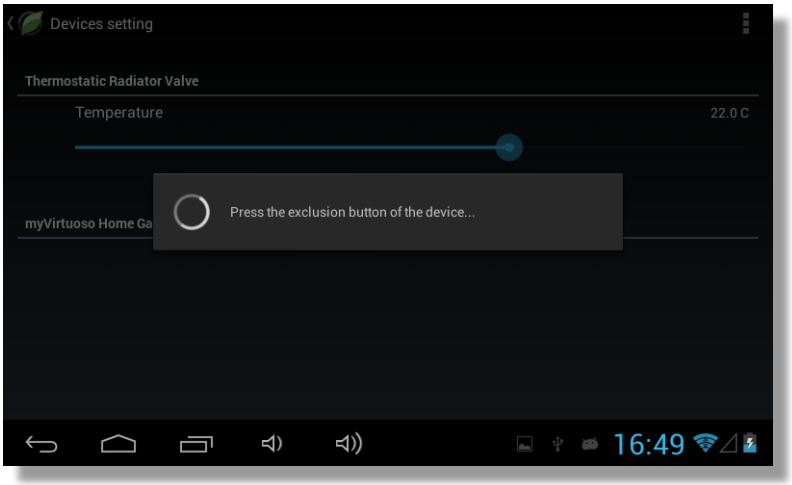


Fig.22

Press the button for about 10 seconds to exclude the device

N.B. *Each device has its own procedure for exclusion. Refer to the device manual for specific instructions about the inclusion.*

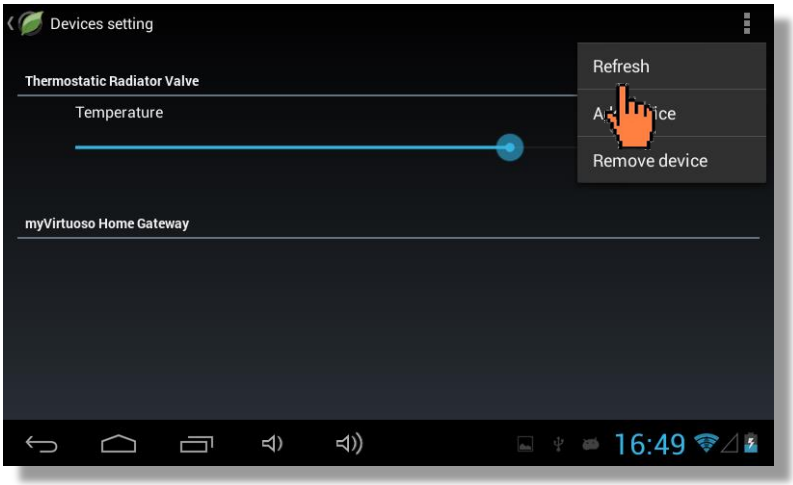


Fig.23

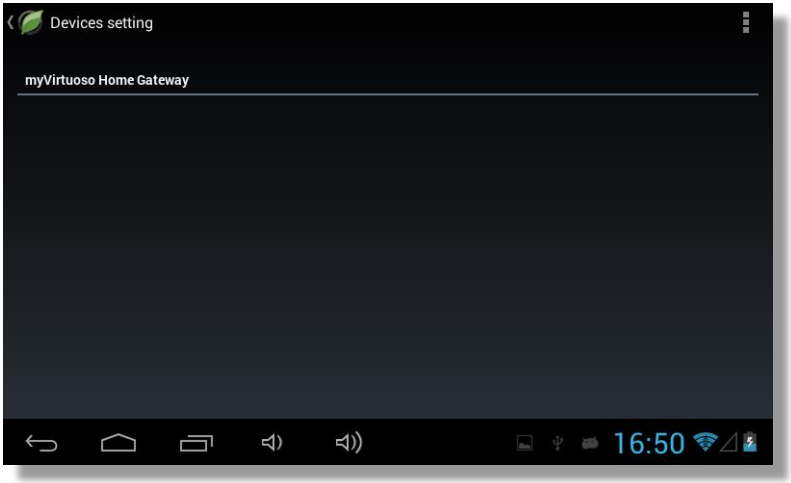


Fig.24

N.B. *If the device is still present on the screen, repeat the procedure for exclusion.*

Creating rules

a. From the main menu click and select “Rules Setting”.

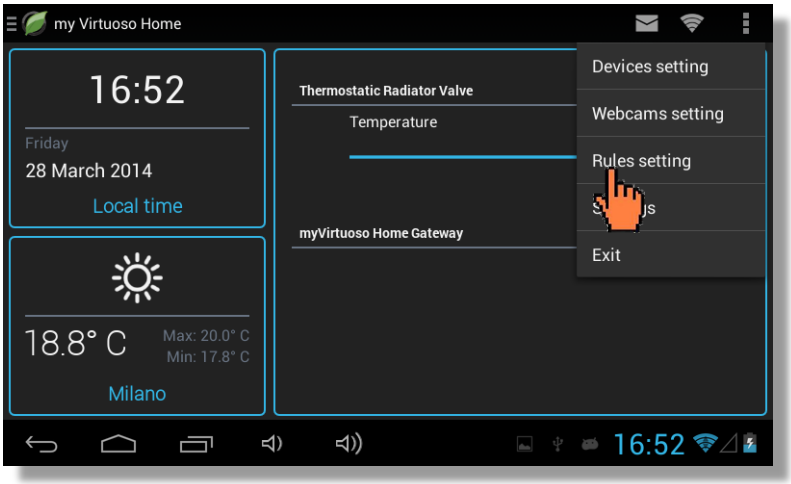


Fig.25

b. Click on , enter the name of the rule and confirm with “OK”.

Click on , select “When”. The calender appears, click on it. From the new window click on .

The menu “Program definition” appears, to set the start and end times for ‘Comfort’ mode.

Set the times and confirm with “OK”.

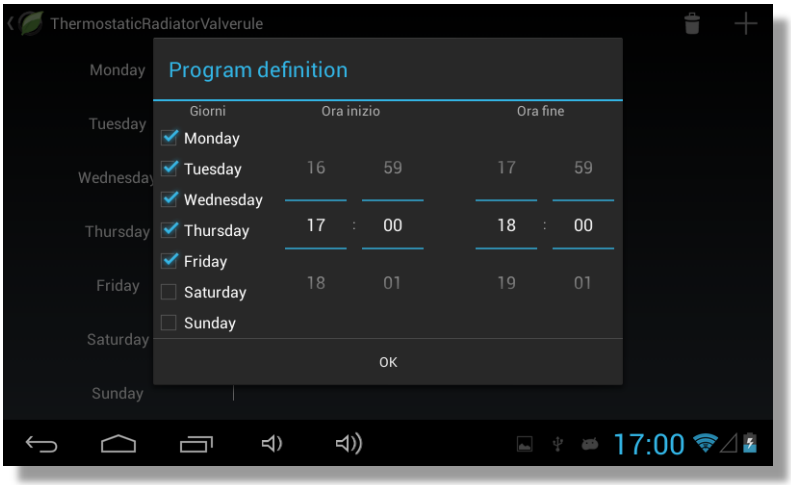


Fig.27

c. Press the button to display the activation settings in the calender.

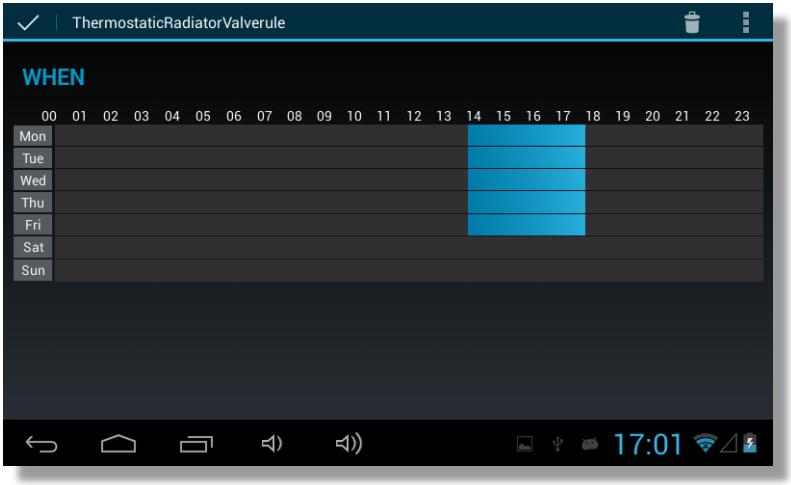


Fig.28

d. Click on , select “Then” to define which devices should be controlled by the rule, and then select them in the “Choose Devices”, confirm with “OK”.

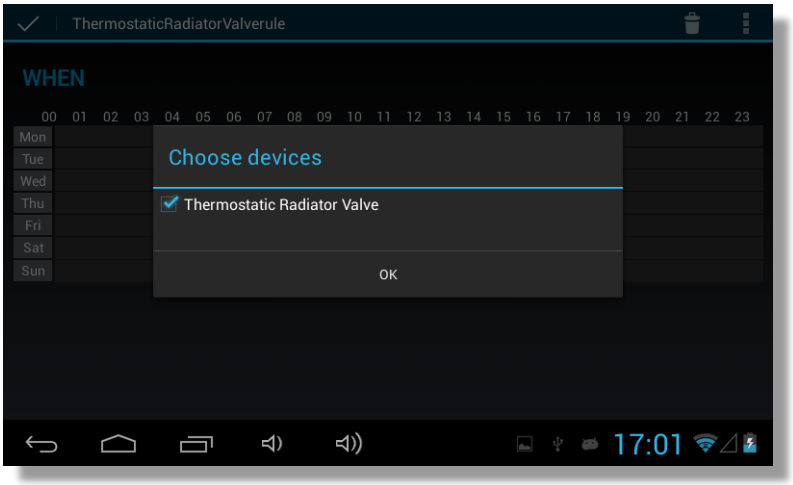


Fig.29

N.B. In this example a thermostatic head is controlled using the calender.

Set the activation rules for the other devices included in the system according to your requirements.

Switching on an actuator as a function of a sensor:

a. From the main menu click and select “Rules setting”.

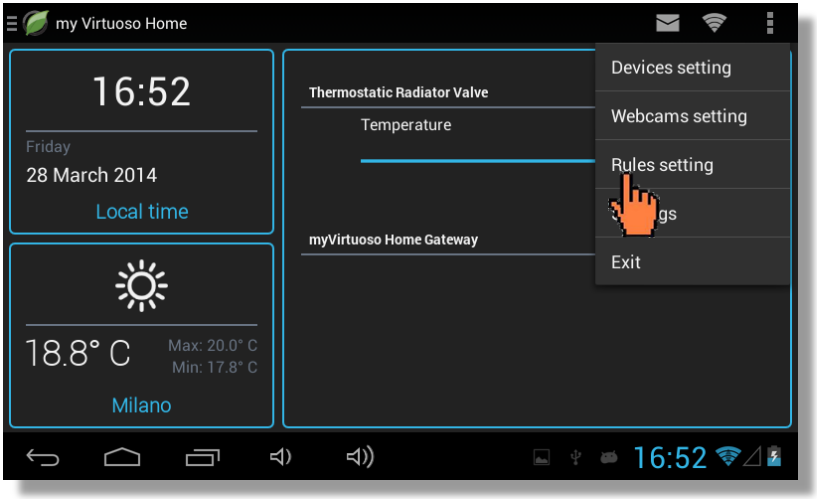


Fig.30

b. Click on , enter the name of the rule and confirm with “OK”.

c. Click on , select “If”, then the menu appears with a list of devices.

d. Select the sensor and press “OK”.

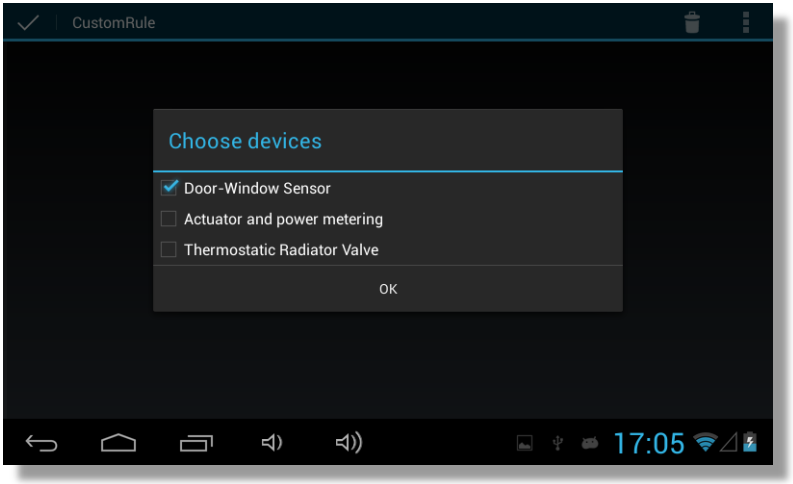


Fig.31

e. Press and select “Then”, then the menu appears with a list of devices. Select an actuator that you want to turn on or off depending on the sensor, and press “OK”.

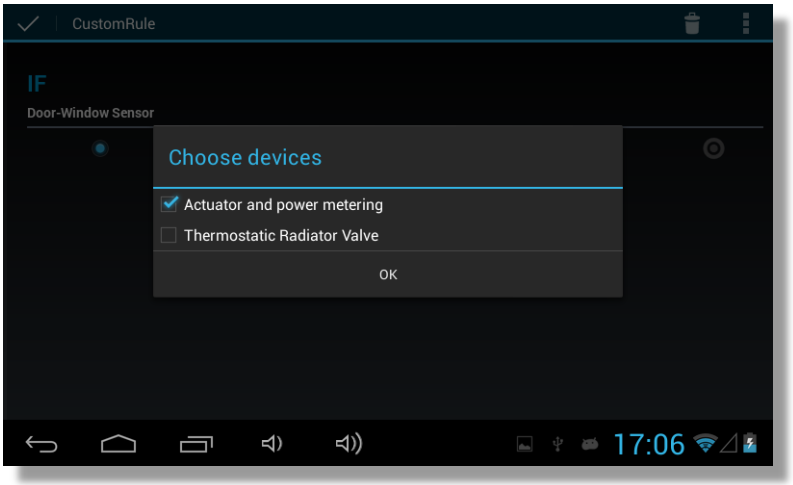


Fig.32

f. Change the status of devices by pressing the buttons:

Door / window sensor active.

Door / window sensor off.

Actuator ON.

Actuator OFF.

At this point, the rule is set. Confirm and save the rule by

Pressing .

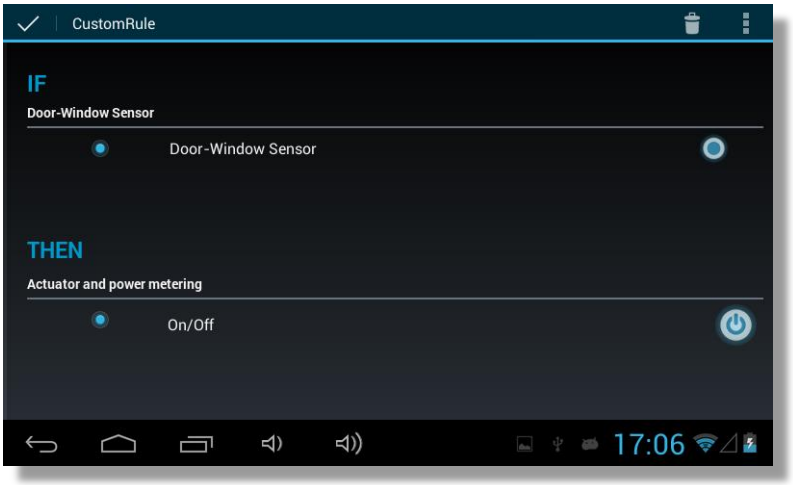


Fig. 33

To activate the rule click on “OFF” button, to disactivate it click on “ON” button.

N.B. In this case the rule has been set so that the activation of the door / window sensor turns on the actuator.

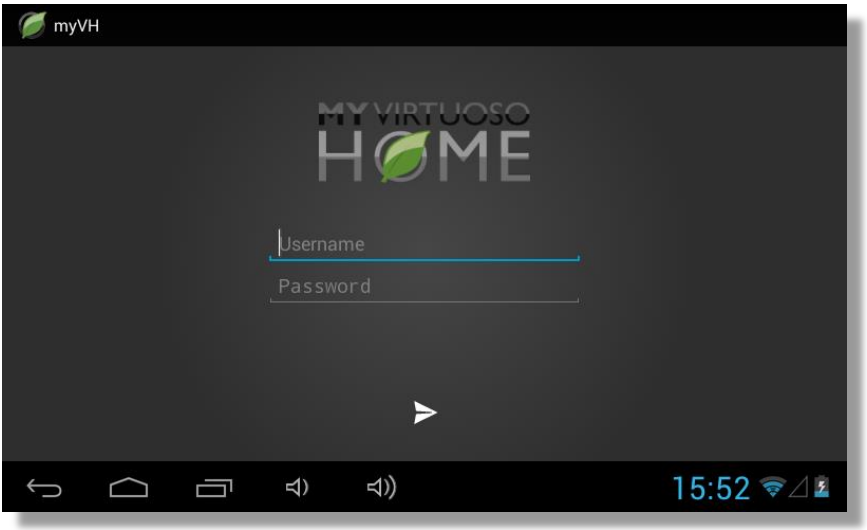
Registration

To register, select ‘Settings’ from main settings menu , then select ‘Click to Register’. After entering all the required fields to complete the registration, select “Confirm”.

Enabling login

N.B. *To activate the login you must first register.*

Select ‘Settings’ from the main settings menu , select “Click here to set login”. Once you set the password, select confirm. After setting the password, scroll down and click on “Enable login” to activate your login. To access the application, enter your login and click on .



Configuring a webcam

Go to the main settings menu , select “Webcam setting”. Then select from “Add webcam” . In the “Add webcam” menu, enter the data for the webcam and then press “OK” .

To see the webcam streaming, go back to the main menu , and select “Security”.

N.B. *Refer to the webcam manual for specific detail on how to configure device.*

CE

SMARTDHOME

www.ecodhome.com

info@smartdhome.com

For United Kingdom and Ireland only, refer to:

www.ecodhome.co.uk

info@smartdhome.co.uk